### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## A COLLA A MATURA DA COLLA A COLLA A COLLA A COLLA A COLLA A DE SA COLLA A COLLA A COLLA A COLLA A COLLA A COLL

(43) International Publication Date 30 March 2006 (30.03.2006)

# PCT (10) International Publication Number WO 2006/033562 Al

(51) International Patent Classification<sup>7</sup>: A47L 15/42

D06F 39/08,

(21) International Application Number:

PCT/KR2005/003166

(22) International Filing Date:

23 September 2005 (23.09.2005)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2004-0076747

24 September 2004 (24.09.2004) KR

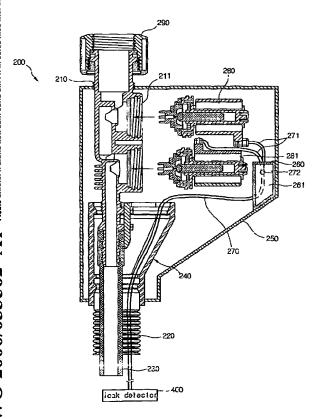
- (71) Applicant (for all designated States except US): LG ELECTRONICS, INC. [KR/KR]; 20, Yoido-Dong, Youngdungpo-ku, Seoul 105-875 (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): BANG, Jong Chul

[KR/KR]; 102-601, Hyundai lcha Apt., Banrim-dong, Changwon-si, Gyeongsangnam-do 101-113 (KR).

- (74) Agent: HAW, Yong Noke; 8th Fl. Songchon Bldg., 642-15, Yeoksam-dong, kangnam-ku, Seoul 135-080 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

#### (54) Title: WASHING DEVICE AND AQUA STOPPING DEVICE FOR THE SAME



(57) Abstract: An aqua stopping device (200) for washing device (100) is provided. The aqua stopping device (200) includes a valve body (210), at least one valve (280), a signal wire (271), a connecting wire (271), a connecting portion (272), an inner case (260), an outer case (250). The valve body (210) has a passage formed within. The at least one valve (280) opens and closes the passage. The signal wire (271) is connected to a terminal of the valve (280). The connecting wire (271) is connected to the signal wire (271). The connecting portion (272) is the portion where the signal wire (271) and the connecting wire (271) connecte. The inner case (260) encloses at least the connecting portion. The outer case (250) is provided at the exterior of the inner case (260). The inventive aqua stopping device (200) reduces manufacturing cost and time, and also the weight of the device to make handling thereof easier.

### WO 2006/033562 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

### Published:

with international search report